



**College Name:** Government of Goa College of Engineering  
**Branch Name:** Electronics & Telecommunication  
**Examination :** Semester V January 2022

| 1 Seat No: 765 PR Number: 201909094 Name: ATHARVA SHYAMRAO MANDREKAR  |   |                       |          |           |            |              |           |      |       |       |             |
|---|---|-----------------------|----------|-----------|------------|--------------|-----------|------|-------|-------|-------------|
| Paper Code  | Paper Name                                | Paper Credits         | Theory   | IA        | Term Work  | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication          | 4                     | 57 P     | 11        | 10         | 78 P         |           |      | 78    | B     | 6           |
| ET520   | Digital Signal Processing                 | 4                     | 52 P     | 10        | 20         | 82 P         |           |      | 82    | B     | 6           |
| ET533   | Soft Computing                            | 3                     | 50 P     | 15        |            | 65 P         |           |      | 65    | B     | 6           |
| ET544   | Electronic Instrumentation and Automation | 3                     | 87 P     | 13        |            | 100 P        |           |      | 100   | A+    | 9           |
| ET550   | Communication Engineering Lab             | 1                     |          |           | 10 P       | 10 P         |           | 12 P | 22    | P     | 4           |
| ET560   | Electronic Measurement Lab                | 1                     |          |           | 22 P       | 22 P         |           | 23 P | 45    | O     | 10          |
| HM009   | Ethics and Entrepreneurship               | 3                     | 73 P     | 14        |            | 87 P         |           |      | 87    | A     | 8           |
| CE533   | Object Oriented Programming using JAVA    | 3                     | 64 P     | 14        |            | 78 P         |           |      | 78    | B+    | 7           |
| <b>SGPA : 6.91</b> <b>Earned Credits: 22</b><br><b>CGPA : 8.04</b> <b>Entitlement Marks : --</b><br><b>Grade: A</b> <b>Remark: Very Good</b>  |   | <b>Sem</b>            | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b>    |           |      |       |       |             |
|   |   | <b>SGPA</b>           | 7.13     | 8.89      | 8.61       | 8.5          |           |      |       |       |             |
|   |   | <b>Earned Credits</b> | 16       | 18        | 23         | 24           |           |      |       |       |             |
| 2 Seat No: 776 PR Number: 201903905 Name: DIVYA ASHUTOSH PAI ANGLE  |   |                       |          |           |            |              |           |      |       |       |             |
| Paper Code  | Paper Name                                | Paper Credits         | Theory   | IA        | Term Work  | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication          | 4                     | 85 P     | 21        | 23         | 129 P        |           |      | 129   | O     | 10          |
| ET520   | Digital Signal Processing                 | 4                     | 98 P     | 16        | 20         | 134 P        |           |      | 134   | O     | 10          |
| ET533   | Soft Computing                            | 3                     | 96 P     | 24        |            | 120 P        |           |      | 120   | O     | 10          |
| ET543   | Digital Image Processing                  | 3                     | 83 P     | 23        |            | 106 P        |           |      | 106   | A+    | 9           |
| ET550   | Communication Engineering Lab             | 1                     |          |           | 24 P       | 24 P         |           | 22 P | 46    | O     | 10          |
| ET560   | Electronic Measurement Lab                | 1                     |          |           | 23 P       | 23 P         |           | 23 P | 46    | O     | 10          |
| HM009   | Ethics and Entrepreneurship               | 3                     | 95 P     | 22        |            | 117 P        |           |      | 117   | O     | 10          |
| CE533   | Object Oriented Programming using JAVA    | 3                     | 99 P     | 25        |            | 124 P        |           |      | 124   | O     | 10          |
| <b>SGPA : 9.86</b> <b>Earned Credits: 22</b><br><b>CGPA : 9.58</b> <b>Entitlement Marks : --</b><br><b>Grade: A+</b> <b>Remark: Excellent</b> |   | <b>Sem</b>            | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b>    |           |      |       |       |             |
|   |   | <b>SGPA</b>           | 8.06     | 9.78      | 9.83       | 9.96         |           |      |       |       |             |
|   |   | <b>Earned Credits</b> | 16       | 18        | 23         | 24           |           |      |       |       |             |
| 3 Seat No: 777 PR Number: 201909962 Name: GAONKER AKSHAY MANGALDAS  |   |                       |          |           |            |              |           |      |       |       |             |
| Paper Code  | Paper Name                                | Paper Credits         | Theory   | IA        | Term Work  | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication          | 4                     | 64 P     | 6         | 14         | 84 P         |           |      | 84    | B+    | 7           |
| ET520   | Digital Signal Processing                 | 4                     | 63 P     | 10        | 19         | 92 P         |           |      | 92    | B+    | 7           |
| ET535   | Solid State Devices and Technology        | 3                     | 64 P     | 18        |            | 82 P         |           |      | 82    | A     | 8           |
| ET544   | Electronic Instrumentation and Automation | 3                     | 86 P     | 20        |            | 106 P        |           |      | 106   | A+    | 9           |
| ET550   | Communication Engineering Lab             | 1                     |          |           | 18 P       | 18 P         |           | 15 P | 33    | A     | 8           |
| ET560   | Electronic Measurement Lab                | 1                     |          |           | 23 P       | 23 P         |           | 19 P | 42    | A+    | 9           |
| HM009   | Ethics and Entrepreneurship               | 3                     | 87 P     | 17        |            | 104 P        |           |      | 104   | A+    | 9           |
| EE534   | Electric Drives                           | 3                     | 63 P     | 17        |            | 80 P         |           |      | 80    | B+    | 7           |
| <b>SGPA : 7.82</b> <b>Earned Credits: 22</b><br><b>CGPA : 0</b> <b>Entitlement Marks : --</b><br><b>Grade: F</b> <b>Remark: Fail</b>          |   | <b>Sem</b>            | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b>    |           |      |       |       |             |
|   |   | <b>SGPA</b>           | --       | --        | --         | --           |           |      |       |       |             |
|   |   | <b>Earned Credits</b> | --       | --        | --         | --           |           |      |       |       |             |
| 4 Seat No: 780 PR Number: 201902854 Name: HARMALKAR HERAMB HEMANT   |   |                       |          |           |            |              |           |      |       |       |             |
| Paper Code  | Paper Name                                | Paper Credits         | Theory   | IA        | Term Work  | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication          | 4                     | 67 P     | 5         | 10         | 82 P         |           |      | 82    | B     | 6           |
| ET520   | Digital Signal Processing                 | 4                     | 80 P     | 10        | 18         | 108 P        |           |      | 108   | A     | 8           |
| ET533   | Soft Computing                            | 3                     | 82 P     | 12        |            | 94 P         |           |      | 94    | A+    | 9           |
| ET544   | Electronic Instrumentation and Automation | 3                     | 86 P     | 15        |            | 101 P        |           |      | 101   | A+    | 9           |
| ET550   | Communication Engineering Lab             | 1                     |          |           | 10 P       | 10 P         |           | 15 P | 25    | B     | 6           |
| ET560   | Electronic Measurement Lab                | 1                     |          |           | 21 P       | 21 P         |           | 17 P | 38    | A+    | 9           |
| HM009   | Ethics and Entrepreneurship               | 3                     | 83 P     | 14        |            | 97 P         |           |      | 97    | A+    | 9           |
| IT534   | Internet of Things                        | 3                     | 74 P     | 13        |            | 87 P         |           |      | 87    | A     | 8           |
| <b>SGPA : 8</b> <b>Earned Credits: 22</b><br><b>CGPA : 8.27</b> <b>Entitlement Marks : --</b><br><b>Grade: A</b> <b>Remark: Very Good</b>     |   | <b>Sem</b>            | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b>    |           |      |       |       |             |
|   |   | <b>SGPA</b>           | 6.25     | 8.78      | 8.96       | 8.83         |           |      |       |       |             |
|   |   | <b>Earned Credits</b> | 16       | 18        | 23         | 24           |           |      |       |       |             |



**College Name:** Government of Goa College of Engineering  
**Branch Name:** Electronics & Telecommunication  
**Examination :** Semester V January 2022

| 5 Seat No: 781 PR Number: 201903411 Name: HARSH ULHAS NAIK |  |                        |        |                |           |              |           |      |       |       |             |
|--|--|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code   | Paper Name                             | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication       | 4                      | 83 P   | 21             | 24        | 128 P        |           |      | 128   | O     | 10          |
| ET520  | Digital Signal Processing              | 4                      | 78 P   | 20             | 22        | 120 P        |           |      | 120   | A+    | 9           |
| ET533  | Soft Computing                         | 3                      | 95 P   | 24             |           | 119 P        |           |      | 119   | O     | 10          |
| ET543  | Digital Image Processing               | 3                      | 83 P   | 23             |           | 106 P        |           |      | 106   | A+    | 9           |
| ET550  | Communication Engineering Lab          | 1                      |        |                | 25 P      | 25 P         |           | 18 P | 43    | O     | 10          |
| ET560  | Electronic Measurement Lab             | 1                      |        |                | 25 P      | 25 P         |           | 24 P | 49    | O     | 10          |
| HM009  | Ethics and Entrepreneurship            | 3                      | 92 P   | 23             |           | 115 P        |           |      | 115   | O     | 10          |
| CE533  | Object Oriented Programming using JAVA | 3                      | 94 P   | 24             |           | 118 P        |           |      | 118   | O     | 10          |
| SGPA : 9.68  |  | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 9.51  |  | Entitlement Marks : -- |        | SGPA           | 8.69      | 9.78         | 9.78      | 9.46 |       |       |             |
| Grade: A+  |  | Remark: Excellent      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |

| 6 Seat No: 783 PR Number: 201903911 Name: HARSHAVARDHAN KAUSTUBH PATHAKJI |                                    |                        |        |                |           |              |           |      |       |       |             |
|---|------------------------------------|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code  | Paper Name                         | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication   | 4                      | 86 P   | 20             | 21        | 127 P        |           |      | 127   | A+    | 9           |
| ET520   | Digital Signal Processing          | 4                      | 68 P   | 16             | 20        | 104 P        |           |      | 104   | A     | 8           |
| ET535   | Solid State Devices and Technology | 3                      | 85 P   | 23             |           | 108 P        |           |      | 108   | O     | 10          |
| ET543   | Digital Image Processing           | 3                      | 78 P   | 21             |           | 99 P         |           |      | 99    | A+    | 9           |
| ET550   | Communication Engineering Lab      | 1                      |        |                | 23 P      | 23 P         |           | 24 P | 47    | O     | 10          |
| ET560   | Electronic Measurement Lab         | 1                      |        |                | 24 P      | 24 P         |           | 21 P | 45    | O     | 10          |
| HM009   | Ethics and Entrepreneurship        | 3                      | 92 P   | 23             |           | 115 P        |           |      | 115   | O     | 10          |
| IT531   | Cloud Computing                    | 3                      | 79 P   | 21             |           | 100 P        |           |      | 100   | A+    | 9           |
| SGPA : 9.18   |                                    | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 9.38   |                                    | Entitlement Marks : -- |        | SGPA           | 7.81      | 9.83         | 10        | 9.67 |       |       |             |
| Grade: A+   |                                    | Remark: Excellent      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |

| 7 Seat No: 784 PR Number: 201903917 Name: HRISHAD RAMMURTHI AMRE |                                  |                        |        |                |           |              |           |      |       |       |             |
|--|----------------------------------|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code   | Paper Name                       | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication | 4                      | 89 P   | 16             | 20        | 125 P        |           |      | 125   | A+    | 9           |
| ET520  | Digital Signal Processing        | 4                      | 88 P   | 11             | 19        | 118 P        |           |      | 118   | A+    | 9           |
| ET533  | Soft Computing                   | 3                      | 86 P   | 20             |           | 106 P        |           |      | 106   | A+    | 9           |
| ET543  | Digital Image Processing         | 3                      | 77 P   | 22             |           | 99 P         |           |      | 99    | A+    | 9           |
| ET550  | Communication Engineering Lab    | 1                      |        |                | 23 P      | 23 P         |           | 22 P | 45    | O     | 10          |
| ET560  | Electronic Measurement Lab       | 1                      |        |                | 23 P      | 23 P         |           | 17 P | 40    | A+    | 9           |
| HM009  | Ethics and Entrepreneurship      | 3                      | 90 P   | 19             |           | 109 P        |           |      | 109   | O     | 10          |
| CE542  | Web-Technologies                 | 3                      | 93 P   | 25             |           | 118 P        |           |      | 118   | O     | 10          |
| SGPA : 9.32  |                                  | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 9.09  |                                  | Entitlement Marks : -- |        | SGPA           | 7.25      | 9.06         | 9.48      | 9.75 |       |       |             |
| Grade: A+  |                                  | Remark: Excellent      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |

| 8 Seat No: 787 PR Number: 201903912 Name: JAVED AHAMAD CHOWDHARY |   |                        |        |                |           |              |           |      |       |       |             |
|--|---|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code   | Paper Name                                | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication          | 4                      | 85 P   | 18             | 22        | 125 P        |           |      | 125   | A+    | 9           |
| ET520  | Digital Signal Processing                 | 4                      | 76 P   | 18             | 21        | 115 P        |           |      | 115   | A+    | 9           |
| ET535  | Solid State Devices and Technology        | 3                      | 91 P   | 23             |           | 114 P        |           |      | 114   | O     | 10          |
| ET544  | Electronic Instrumentation and Automation | 3                      | 94 P   | 23             |           | 117 P        |           |      | 117   | O     | 10          |
| ET550  | Communication Engineering Lab             | 1                      |        |                | 23 P      | 23 P         |           | 18 P | 41    | A+    | 9           |
| ET560  | Electronic Measurement Lab                | 1                      |        |                | 25 P      | 25 P         |           | 24 P | 49    | O     | 10          |
| HM009  | Ethics and Entrepreneurship               | 3                      | 93 P   | 21             |           | 114 P        |           |      | 114   | O     | 10          |
| CE533  | Object Oriented Programming using JAVA    | 3                      | 81 P   | 25             |           | 106 P        |           |      | 106   | A+    | 9           |
| SGPA : 9.45  |   | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 9.19  |   | Entitlement Marks : -- |        | SGPA           | 7.31      | 9.5          | 9.7       | 9.5  |       |       |             |
| Grade: A+  |   | Remark: Excellent      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |





**College Name:** Government of Goa College of Engineering

**Branch Name:** Electronics & Telecommunication

**Examination :** Semester V January 2022

9 **Seat No:** 793 **PR Number:** 201903931 **Name:** KUNAL KUMAR CHOUDHARY

| Paper Code | Paper Name                                | Paper Credits      | Theory                        | IA | Term Work             | Theory Total | Practical | Oral       | Total     | Grade | Grade Point |
|------------|---|--------------------|-------------------------------|----|-----------------------|--------------|-----------|------------|-----------|-------|-------------|
| ET510      | Analog and Digital Communication          | 4                  | 60 P                          | 9  | 12                    | 81 P         |           |            | 81        | B     | 6           |
| ET520      | Digital Signal Processing                 | 4                  | 64 P                          | 9  | 19                    | 92 P         |           |            | 92        | B+    | 7           |
| ET535      | Solid State Devices and Technology        | 3                  | 87 P                          | 19 |                       | 106 P        |           |            | 106       | A+    | 9           |
| ET544      | Electronic Instrumentation and Automation | 3                  | 88 P                          | 17 |                       | 105 P        |           |            | 105       | A+    | 9           |
| ET550      | Communication Engineering Lab             | 1                  |                               |    | 12 P                  | 12 P         |           | 14 P       | 26        | B     | 6           |
| ET560      | Electronic Measurement Lab                | 1                  |                               |    | 22 P                  | 22 P         |           | 17 P       | 39        | A+    | 9           |
| HM009      | Ethics and Entrepreneurship               | 3                  | 79 P                          | 18 |                       | 97 P         |           |            | 97        | A+    | 9           |
| IT534      | Internet of Things                        | 3                  | 70 P                          | 13 |                       | 83 P         |           |            | 83        | A     | 8           |
|            |   | <b>SGPA : 7.82</b> | <b>Earned Credits: 22</b>     |    | <b>Sem</b>            | <b>I</b>     | <b>II</b> | <b>III</b> | <b>IV</b> |       |             |
|            |   | <b>CGPA : 8.11</b> | <b>Entitlement Marks : --</b> |    | <b>SGPA</b>           | 5.5          | 8.22      | 9.13       | 9.04      |       |             |
|            |   | <b>Grade: A</b>    | <b>Remark: Very Good</b>      |    | <b>Earned Credits</b> | 16           | 18        | 23         | 24        |       |             |

10 **Seat No:** 796 **PR Number:** 201903416 **Name:** MAYFORD MARK ROCHA

| Paper Code | Paper Name                       | Paper Credits      | Theory                        | IA | Term Work             | Theory Total | Practical | Oral       | Total     | Grade | Grade Point |
|------------|----------------------------------|--------------------|-------------------------------|----|-----------------------|--------------|-----------|------------|-----------|-------|-------------|
| ET510      | Analog and Digital Communication | 4                  | 77 P                          | 12 | 17                    | 106 P        |           |            | 106       | A     | 8           |
| ET520      | Digital Signal Processing        | 4                  | 80 P                          | 9  | 19                    | 108 P        |           |            | 108       | A     | 8           |
| ET533      | Soft Computing                   | 3                  | 76 P                          | 17 |                       | 93 P         |           |            | 93        | A     | 8           |
| ET543      | Digital Image Processing         | 3                  | 85 P                          | 21 |                       | 106 P        |           |            | 106       | A+    | 9           |
| ET550      | Communication Engineering Lab    | 1                  |                               |    | 15 P                  | 15 P         |           | 17 P       | 32        | B+    | 7           |
| ET560      | Electronic Measurement Lab       | 1                  |                               |    | 24 P                  | 24 P         |           | 22 P       | 46        | O     | 10          |
| HM009      | Ethics and Entrepreneurship      | 3                  | 92 P                          | 20 |                       | 112 P        |           |            | 112       | O     | 10          |
| IT531      | Cloud Computing                  | 3                  | 79 P                          | 22 |                       | 101 P        |           |            | 101       | A+    | 9           |
|            |                                  | <b>SGPA : 8.59</b> | <b>Earned Credits: 22</b>     |    | <b>Sem</b>            | <b>I</b>     | <b>II</b> | <b>III</b> | <b>IV</b> |       |             |
|            |                                  | <b>CGPA : 8.58</b> | <b>Entitlement Marks : --</b> |    | <b>SGPA</b>           | 6.31         | 8.56      | 9.57       | 9.13      |       |             |
|            |                                  | <b>Grade: A</b>    | <b>Remark: Very Good</b>      |    | <b>Earned Credits</b> | 16           | 18        | 23         | 24        |       |             |

11 **Seat No:** 800 **PR Number:** 201903466 **Name:** MITHIL GHARU MANOJ JOSHI

| Paper Code | Paper Name                             | Paper Credits      | Theory                        | IA | Term Work             | Theory Total | Practical | Oral       | Total     | Grade | Grade Point |
|------------|--|--------------------|-------------------------------|----|-----------------------|--------------|-----------|------------|-----------|-------|-------------|
| ET510      | Analog and Digital Communication       | 4                  | 70 P                          | 21 | 24                    | 115 P        |           |            | 115       | A+    | 9           |
| ET520      | Digital Signal Processing              | 4                  | 77 P                          | 16 | 19                    | 112 P        |           |            | 112       | A     | 8           |
| ET533      | Soft Computing                         | 3                  | 92 P                          | 21 |                       | 113 P        |           |            | 113       | O     | 10          |
| ET543      | Digital Image Processing               | 3                  | 85 P                          | 19 |                       | 104 P        |           |            | 104       | A+    | 9           |
| ET550      | Communication Engineering Lab          | 1                  |                               |    | 25 P                  | 25 P         |           | 21 P       | 46        | O     | 10          |
| ET560      | Electronic Measurement Lab             | 1                  |                               |    | 25 P                  | 25 P         |           | 24 P       | 49        | O     | 10          |
| HM009      | Ethics and Entrepreneurship            | 3                  | 93 P                          | 20 |                       | 113 P        |           |            | 113       | O     | 10          |
| CE533      | Object Oriented Programming using JAVA | 3                  | 80 P                          | 22 |                       | 102 P        |           |            | 102       | A+    | 9           |
|            |  | <b>SGPA : 9.18</b> | <b>Earned Credits: 22</b>     |    | <b>Sem</b>            | <b>I</b>     | <b>II</b> | <b>III</b> | <b>IV</b> |       |             |
|            |  | <b>CGPA : 8.92</b> | <b>Entitlement Marks : --</b> |    | <b>SGPA</b>           | 6.13         | 9.39      | 9.61       | 9.54      |       |             |
|            |  | <b>Grade: A</b>    | <b>Remark: Very Good</b>      |    | <b>Earned Credits</b> | 16           | 18        | 23         | 24        |       |             |

12 **Seat No:** 801 **PR Number:** 201905353 **Name:** MOBASSIR HASAN KHAN

| Paper Code | Paper Name                                | Paper Credits      | Theory                        | IA | Term Work             | Theory Total | Practical | Oral       | Total     | Grade | Grade Point |
|------------|---|--------------------|-------------------------------|----|-----------------------|--------------|-----------|------------|-----------|-------|-------------|
| ET510      | Analog and Digital Communication          | 4                  | 76 P                          | 8  | 15                    | 99 P         |           |            | 99        | A     | 8           |
| ET520      | Digital Signal Processing                 | 4                  | 76 P                          | 10 | 19                    | 105 P        |           |            | 105       | A     | 8           |
| ET533      | Soft Computing                            | 3                  | 88 P                          | 19 |                       | 107 P        |           |            | 107       | O     | 10          |
| ET544      | Electronic Instrumentation and Automation | 3                  | 91 P                          | 21 |                       | 112 P        |           |            | 112       | O     | 10          |
| ET550      | Communication Engineering Lab             | 1                  |                               |    | 15 P                  | 15 P         |           | 19 P       | 34        | A     | 8           |
| ET560      | Electronic Measurement Lab                | 1                  |                               |    | 25 P                  | 25 P         |           | 24 P       | 49        | O     | 10          |
| HM009      | Ethics and Entrepreneurship               | 3                  | 87 P                          | 19 |                       | 106 P        |           |            | 106       | A+    | 9           |
| CE533      | Object Oriented Programming using JAVA    | 3                  | 81 P                          | 20 |                       | 101 P        |           |            | 101       | A+    | 9           |
|            |   | <b>SGPA : 8.91</b> | <b>Earned Credits: 22</b>     |    | <b>Sem</b>            | <b>I</b>     | <b>II</b> | <b>III</b> | <b>IV</b> |       |             |
|            |   | <b>CGPA : 8.56</b> | <b>Entitlement Marks : --</b> |    | <b>SGPA</b>           | 6.5          | 9         | 8.78       | 9.08      |       |             |
|            |   | <b>Grade: A</b>    | <b>Remark: Very Good</b>      |    | <b>Earned Credits</b> | 16           | 18        | 23         | 24        |       |             |



**College Name:** Government of Goa College of Engineering  
**Branch Name:** Electronics & Telecommunication  
**Examination :** Semester V January 2022

| 13 Seat No: 803 PR Number: 202011055 Name: NAIK TUSHAR NARAYAN |   |                        |        |                |           |              |           |      |       |       |             |  |
|--|---|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|--|
| Paper Code   | Paper Name                                | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |  |
| ET510  | Analog and Digital Communication          | 4                      | 77 P   | 14             | 21        | 112 P        |           |      | 112   | A     | 8           |  |
| ET520  | Digital Signal Processing                 | 4                      | 73 P   | 14             | 20        | 107 P        |           |      | 107   | A     | 8           |  |
| ET535  | Solid State Devices and Technology        | 3                      | 90 P   | 24             |           | 114 P        |           |      | 114   | O     | 10          |  |
| ET544  | Electronic Instrumentation and Automation | 3                      | 93 P   | 20             |           | 113 P        |           |      | 113   | O     | 10          |  |
| ET550  | Communication Engineering Lab             | 1                      |        |                | 20 P      | 20 P         |           | 17 P | 37    | A     | 8           |  |
| ET560  | Electronic Measurement Lab                | 1                      |        |                | 24 P      | 24 P         |           | 19 P | 43    | O     | 10          |  |
| HM009  | Ethics and Entrepreneurship               | 3                      | 88 P   | 19             |           | 107 P        |           |      | 107   | O     | 10          |  |
| EE534  | Electric Drives                           | 3                      | 94 P   | 18             |           | 112 P        |           |      | 112   | O     | 10          |  |
| SGPA : 9.18  |   | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |  |
| CGPA : 9.13  |   | Entitlement Marks : -- |        | SGPA           | --        | --           | 9.26      | 8.96 |       |       |             |  |
| Grade: A+  |   | Remark: Excellent      |        | Earned Credits | --        | --           | 23        | 24   |       |       |             |  |

| 14 Seat No: 804 PR Number: 201903922 Name: NEETAL NILESH HALDANKAR |   |                        |        |                |           |              |           |      |       |       |             |  |
|--|---|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|--|
| Paper Code   | Paper Name                                | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |  |
| ET510  | Analog and Digital Communication          | 4                      | 79 P   | 18             | 20        | 117 P        |           |      | 117   | A+    | 9           |  |
| ET520  | Digital Signal Processing                 | 4                      | 78 P   | 16             | 21        | 115 P        |           |      | 115   | A+    | 9           |  |
| ET533  | Soft Computing                            | 3                      | 86 P   | 23             |           | 109 P        |           |      | 109   | O     | 10          |  |
| ET544  | Electronic Instrumentation and Automation | 3                      | 87 P   | 20             |           | 107 P        |           |      | 107   | O     | 10          |  |
| ET550  | Communication Engineering Lab             | 1                      |        |                | 24 P      | 24 P         |           | 20 P | 44    | O     | 10          |  |
| ET560  | Electronic Measurement Lab                | 1                      |        |                | 25 P      | 25 P         |           | 22 P | 47    | O     | 10          |  |
| HM009  | Ethics and Entrepreneurship               | 3                      | 92 P   | 17             |           | 109 P        |           |      | 109   | O     | 10          |  |
| EE532  | Illumination Engineering                  | 3                      | 84 P   | 22             |           | 106 P        |           |      | 106   | A+    | 9           |  |
| SGPA : 9.5   |   | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |  |
| CGPA : 8.84  |   | Entitlement Marks : -- |        | SGPA           | 5.63      | 9.39         | 9.43      | 9.38 |       |       |             |  |
| Grade: A   |   | Remark: Very Good      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |  |

| 15 Seat No: 813 PR Number: 201903897 Name: RISHAB BHALCHANDRA KHOLKAR |   |                        |        |                |           |              |           |      |       |       |             |  |
|---|---|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|--|
| Paper Code  | Paper Name                                | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |  |
| ET510   | Analog and Digital Communication          | 4                      | 48 P   | 10             | 18        | 76 P         |           |      | 76    | B     | 6           |  |
| ET520   | Digital Signal Processing                 | 4                      | 81 P   | 10             | 21        | 112 P        |           |      | 112   | A     | 8           |  |
| ET535   | Solid State Devices and Technology        | 3                      | 83 P   | 13             |           | 96 P         |           |      | 96    | A+    | 9           |  |
| ET544   | Electronic Instrumentation and Automation | 3                      | 94 P   | 16             |           | 110 P        |           |      | 110   | O     | 10          |  |
| ET550   | Communication Engineering Lab             | 1                      |        |                | 20 P      | 20 P         |           | 16 P | 36    | A     | 8           |  |
| ET560   | Electronic Measurement Lab                | 1                      |        |                | 25 P      | 25 P         |           | 22 P | 47    | O     | 10          |  |
| HM009   | Ethics and Entrepreneurship               | 3                      | 89 P   | 13             |           | 102 P        |           |      | 102   | A+    | 9           |  |
| IT534   | Internet of Things                        | 3                      | 74 P   | 14             |           | 88 P         |           |      | 88    | A     | 8           |  |
| SGPA : 8.27   |   | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |  |
| CGPA : 8.11   |   | Entitlement Marks : -- |        | SGPA           | 6.5       | 8.78         | 8.04      | 8.58 |       |       |             |  |
| Grade: A  |   | Remark: Very Good      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |  |

| 16 Seat No: 815 PR Number: 201903902 Name: RUTVA SANDESH NAIK |  |                        |        |                |           |              |           |      |       |       |             |  |
|---|--|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|--|
| Paper Code  | Paper Name                             | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |  |
| ET510   | Analog and Digital Communication       | 4                      | 88 P   | 23             | 23        | 134 P        |           |      | 134   | O     | 10          |  |
| ET520   | Digital Signal Processing              | 4                      | 86 P   | 20             | 21        | 127 P        |           |      | 127   | A+    | 9           |  |
| ET533   | Soft Computing                         | 3                      | 87 P   | 22             |           | 109 P        |           |      | 109   | O     | 10          |  |
| ET543   | Digital Image Processing               | 3                      | 85 P   | 23             |           | 108 P        |           |      | 108   | O     | 10          |  |
| ET550   | Communication Engineering Lab          | 1                      |        |                | 24 P      | 24 P         |           | 23 P | 47    | O     | 10          |  |
| ET560   | Electronic Measurement Lab             | 1                      |        |                | 24 P      | 24 P         |           | 20 P | 44    | O     | 10          |  |
| HM009   | Ethics and Entrepreneurship            | 3                      | 95 P   | 20             |           | 115 P        |           |      | 115   | O     | 10          |  |
| CE533   | Object Oriented Programming using JAVA | 3                      | 84 P   | 24             |           | 108 P        |           |      | 108   | O     | 10          |  |
| SGPA : 9.82   |  | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |  |
| CGPA : 9.18   |  | Entitlement Marks : -- |        | SGPA           | 6.94      | 9.28         | 9.7       | 9.5  |       |       |             |  |
| Grade: A+   |  | Remark: Excellent      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |  |





College Name: Government of Goa College of Engineering  
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| 17 Seat No: 818 PR Number: 201903920 Name: SANJANA SANTOSH PEDNEKAR |                                  |                        |        |                |           |              |           |      |       |       |             |
|---|----------------------------------|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code  | Paper Name                       | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication | 4                      | 61 P   | 12             | 15        | 88 P         |           |      | 88    | B+    | 7           |
| ET520   | Digital Signal Processing        | 4                      | 75 P   | 12             | 19        | 106 P        |           |      | 106   | A     | 8           |
| ET533   | Soft Computing                   | 3                      | 86 P   | 20             |           | 106 P        |           |      | 106   | A+    | 9           |
| ET543   | Digital Image Processing         | 3                      | 82 P   | 16             |           | 98 P         |           |      | 98    | A+    | 9           |
| ET550   | Communication Engineering Lab    | 1                      |        |                | 18 P      | 18 P         |           | 17 P | 35    | A     | 8           |
| ET560   | Electronic Measurement Lab       | 1                      |        |                | 22 P      | 22 P         |           | 20 P | 42    | A+    | 9           |
| HM009   | Ethics and Entrepreneurship      | 3                      | 93 P   | 17             |           | 110 P        |           |      | 110   | O     | 10          |
| IT534   | Internet of Things               | 3                      | 77 P   | 14             |           | 91 P         |           |      | 91    | A     | 8           |
| SGPA : 8.41   |                                  | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 8.48   |                                  | Entitlement Marks : -- |        | SGPA           | 4.63      | 9.56         | 9.48      | 9.33 |       |       |             |
| Grade: A  |                                  | Remark: Very Good      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |

| 18 Seat No: 819 PR Number: 202011054 Name: SAWANT ATMESH RAMNATH |   |                        |        |                |           |              |           |      |       |       |             |
|--|---|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code   | Paper Name                                | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication          | 4                      | 79 P   | 10             | 19        | 108 P        |           |      | 108   | A     | 8           |
| ET520  | Digital Signal Processing                 | 4                      | 62 P   | 11             | 20        | 93 P         |           |      | 93    | B+    | 7           |
| ET535  | Solid State Devices and Technology        | 3                      | 85 P   | 21             |           | 106 P        |           |      | 106   | A+    | 9           |
| ET544  | Electronic Instrumentation and Automation | 3                      | 87 P   | 21             |           | 108 P        |           |      | 108   | O     | 10          |
| ET550  | Communication Engineering Lab             | 1                      |        |                | 18 P      | 18 P         |           | 16 P | 34    | A     | 8           |
| ET560  | Electronic Measurement Lab                | 1                      |        |                | 24 P      | 24 P         |           | 24 P | 48    | O     | 10          |
| HM009  | Ethics and Entrepreneurship               | 3                      | 92 P   | 19             |           | 111 P        |           |      | 111   | O     | 10          |
| EE534  | Electric Drives                           | 3                      | 89 P   | 21             |           | 110 P        |           |      | 110   | O     | 10          |
| SGPA : 8.86  |   | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 8.97  |   | Entitlement Marks : -- |        | SGPA           | --        | --           | 9.04      | 9    |       |       |             |
| Grade: A   |   | Remark: Very Good      |        | Earned Credits | --        | --           | 23        | 24   |       |       |             |

| 19 Seat No: 820 PR Number: 202011060 Name: SAWANT VASUDEV SURESH |   |                        |        |                |           |              |           |      |       |       |             |
|--|---|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code   | Paper Name                                | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication          | 4                      | 72 P   | 13             | 20        | 105 P        |           |      | 105   | A     | 8           |
| ET520  | Digital Signal Processing                 | 4                      | 64 P   | 13             | 20        | 97 P         |           |      | 97    | B+    | 7           |
| ET535  | Solid State Devices and Technology        | 3                      | 84 P   | 22             |           | 106 P        |           |      | 106   | A+    | 9           |
| ET544  | Electronic Instrumentation and Automation | 3                      | 92 P   | 18             |           | 110 P        |           |      | 110   | O     | 10          |
| ET550  | Communication Engineering Lab             | 1                      |        |                | 20 P      | 20 P         |           | 17 P | 37    | A     | 8           |
| ET560  | Electronic Measurement Lab                | 1                      |        |                | 23 P      | 23 P         |           | 22 P | 45    | O     | 10          |
| HM009  | Ethics and Entrepreneurship               | 3                      | 88 P   | 18             |           | 106 P        |           |      | 106   | A+    | 9           |
| EE534  | Electric Drives                           | 3                      | 84 P   | 14             |           | 98 P         |           |      | 98    | A+    | 9           |
| SGPA : 8.59  |   | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 8.91  |   | Entitlement Marks : -- |        | SGPA           | --        | --           | 9.3       | 8.83 |       |       |             |
| Grade: A   |   | Remark: Very Good      |        | Earned Credits | --        | --           | 23        | 24   |       |       |             |

| 20 Seat No: 821 PR Number: 201903916 Name: SAYUSH MAHESH VARALE |                                  |                        |        |                |           |              |           |      |       |       |             |
|---|----------------------------------|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| Paper Code  | Paper Name                       | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication | 4                      | 78 P   | 11             | 20        | 109 P        |           |      | 109   | A     | 8           |
| ET520   | Digital Signal Processing        | 4                      | 78 P   | 12             | 20        | 110 P        |           |      | 110   | A     | 8           |
| ET533   | Soft Computing                   | 3                      | 94 P   | 23             |           | 117 P        |           |      | 117   | O     | 10          |
| ET543   | Digital Image Processing         | 3                      | 86 P   | 19             |           | 105 P        |           |      | 105   | A+    | 9           |
| ET550   | Communication Engineering Lab    | 1                      |        |                | 22 P      | 22 P         |           | 18 P | 40    | A+    | 9           |
| ET560   | Electronic Measurement Lab       | 1                      |        |                | 25 P      | 25 P         |           | 22 P | 47    | O     | 10          |
| HM009   | Ethics and Entrepreneurship      | 3                      | 88 P   | 18             |           | 106 P        |           |      | 106   | A+    | 9           |
| IT531   | Cloud Computing                  | 3                      | 85 P   | 21             |           | 106 P        |           |      | 106   | A+    | 9           |
| SGPA : 8.82   |                                  | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 9.04   |                                  | Entitlement Marks : -- |        | SGPA           | 7         | 9.89         | 9.65      | 9.38 |       |       |             |
| Grade: A+   |                                  | Remark: Excellent      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |



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**Branch Name:** Electronics & Telecommunication  
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| 21 Seat No: 822 PR Number: 201902856 Name: SHAUNAK SHARAD UMARYE |                                  |                    |                               |                       |           |              |            |           |       |       |             |
|--|----------------------------------|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| Paper Code   | Paper Name                       | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication | 4                  | 75 P                          | 13                    | 18        | 106 P        |            |           | 106   | A     | 8           |
| ET520  | Digital Signal Processing        | 4                  | 70 P                          | 11                    | 20        | 101 P        |            |           | 101   | A     | 8           |
| ET533  | Soft Computing                   | 3                  | 88 P                          | 18                    |           | 106 P        |            |           | 106   | A+    | 9           |
| ET543  | Digital Image Processing         | 3                  | 78 P                          | 13                    |           | 91 P         |            |           | 91    | A     | 8           |
| ET550  | Communication Engineering Lab    | 1                  |                               |                       | 20 P      | 20 P         |            | 21 P      | 41    | A+    | 9           |
| ET560  | Electronic Measurement Lab       | 1                  |                               |                       | 25 P      | 25 P         |            | 23 P      | 48    | O     | 10          |
| HM009  | Ethics and Entrepreneurship      | 3                  | 88 P                          | 17                    |           | 105 P        |            |           | 105   | A+    | 9           |
| CE542  | Web-Technologies                 | 3                  | 80 P                          | 19                    |           | 99 P         |            |           | 99    | A+    | 9           |
|  |                                  | <b>SGPA : 8.55</b> | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|  |                                  | <b>CGPA : 8.65</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | 5.88      | 9.61         | 9.22       | 9.33      |       |       |             |
|  |                                  | <b>Grade: A</b>    | <b>Remark: Very Good</b>      | <b>Earned Credits</b> | 16        | 18           | 23         | 24        |       |       |             |

| 22 Seat No: 823 PR Number: 201902851 Name: SHEEL DHARMESH PAI ANGLE |                                  |                    |                               |                       |           |              |            |           |       |       |             |
|---|----------------------------------|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| Paper Code  | Paper Name                       | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
| ET510   | Analog and Digital Communication | 4                  | 79 P                          | 14                    | 19        | 112 P        |            |           | 112   | A     | 8           |
| ET520   | Digital Signal Processing        | 4                  | 75 P                          | 12                    | 21        | 108 P        |            |           | 108   | A     | 8           |
| ET533   | Soft Computing                   | 3                  | 92 P                          | 18                    |           | 110 P        |            |           | 110   | O     | 10          |
| ET543   | Digital Image Processing         | 3                  | 79 P                          | 22                    |           | 101 P        |            |           | 101   | A+    | 9           |
| ET550   | Communication Engineering Lab    | 1                  |                               |                       | 20 P      | 20 P         |            | 19 P      | 39    | A+    | 9           |
| ET560   | Electronic Measurement Lab       | 1                  |                               |                       | 23 P      | 23 P         |            | 18 P      | 41    | A+    | 9           |
| HM009   | Ethics and Entrepreneurship      | 3                  | 92 P                          | 19                    |           | 111 P        |            |           | 111   | O     | 10          |
| IT531   | Cloud Computing                  | 3                  | 75 P                          | 23                    |           | 98 P         |            |           | 98    | A+    | 9           |
|   |                                  | <b>SGPA : 8.91</b> | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|   |                                  | <b>CGPA : 8.95</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | 6.75      | 9.61         | 9.61       | 9.33      |       |       |             |
|   |                                  | <b>Grade: A</b>    | <b>Remark: Very Good</b>      | <b>Earned Credits</b> | 16        | 18           | 23         | 24        |       |       |             |

| 23 Seat No: 827 PR Number: 201903467 Name: SMITA PRAKASH SANCOLKAR |  |                    |                               |                       |           |              |            |           |       |       |             |
|--|--|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| Paper Code   | Paper Name                             | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication       | 4                  | 88 P                          | 22                    | 23        | 133 P        |            |           | 133   | O     | 10          |
| ET520  | Digital Signal Processing              | 4                  | 90 P                          | 21                    | 22        | 133 P        |            |           | 133   | O     | 10          |
| ET533  | Soft Computing                         | 3                  | 94 P                          | 20                    |           | 114 P        |            |           | 114   | O     | 10          |
| ET543  | Digital Image Processing               | 3                  | 85 P                          | 21                    |           | 106 P        |            |           | 106   | A+    | 9           |
| ET550  | Communication Engineering Lab          | 1                  |                               |                       | 24 P      | 24 P         |            | 23 P      | 47    | O     | 10          |
| ET560  | Electronic Measurement Lab             | 1                  |                               |                       | 24 P      | 24 P         |            | 21 P      | 45    | O     | 10          |
| HM009  | Ethics and Entrepreneurship            | 3                  | 89 P                          | 20                    |           | 109 P        |            |           | 109   | O     | 10          |
| CE533  | Object Oriented Programming using JAVA | 3                  | 95 P                          | 25                    |           | 120 P        |            |           | 120   | O     | 10          |
|  |  | <b>SGPA : 9.86</b> | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|  |  | <b>CGPA : 9.17</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | 5.94      | 9.67         | 9.7        | 9.79      |       |       |             |
|  |  | <b>Grade: A+</b>   | <b>Remark: Excellent</b>      | <b>Earned Credits</b> | 16        | 18           | 23         | 24        |       |       |             |

| 24 Seat No: 831 PR Number: 201903909 Name: TELCIA DIAS |   |                    |                               |                       |           |              |            |           |       |       |             |
|--|---|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| Paper Code   | Paper Name                                | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
| ET510  | Analog and Digital Communication          | 4                  | 77 P                          | 12                    | 17        | 106 P        |            |           | 106   | A     | 8           |
| ET520  | Digital Signal Processing                 | 4                  | 70 P                          | 10                    | 20        | 100 P        |            |           | 100   | A     | 8           |
| ET533  | Soft Computing                            | 3                  | 76 P                          | 14                    |           | 90 P         |            |           | 90    | A     | 8           |
| ET544  | Electronic Instrumentation and Automation | 3                  | 91 P                          | 17                    |           | 108 P        |            |           | 108   | O     | 10          |
| ET550  | Communication Engineering Lab             | 1                  |                               |                       | 15 P      | 15 P         |            | 14 P      | 29    | B+    | 7           |
| ET560  | Electronic Measurement Lab                | 1                  |                               |                       | 24 P      | 24 P         |            | 19 P      | 43    | O     | 10          |
| HM009  | Ethics and Entrepreneurship               | 3                  | 89 P                          | 17                    |           | 106 P        |            |           | 106   | A+    | 9           |
| IT534  | Internet of Things                        | 3                  | 75 P                          | 11                    |           | 86 P         |            |           | 86    | A     | 8           |
|  |   | <b>SGPA : 8.45</b> | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|  |   | <b>CGPA : 8.42</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | 5.25      | 9.28         | 9.26       | 9.04      |       |       |             |
|  |   | <b>Grade: A</b>    | <b>Remark: Very Good</b>      | <b>Earned Credits</b> | 16        | 18           | 23         | 24        |       |       |             |





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**Branch Name:** Electronics & Telecommunication

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**25 Seat No:** 833 **PR Number:** 201903928 **Name:** VAISHNAVI ANAND MORAJKAR

| Paper Code | Paper Name                                | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
|------------|---|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| ET510      | Analog and Digital Communication          | 4                  | 78 P                          | 10                    | 18        | 106 P        |            |           | 106   | A     | 8           |
| ET520      | Digital Signal Processing                 | 4                  | 83 P                          | 14                    | 20        | 117 P        |            |           | 117   | A+    | 9           |
| ET535      | Solid State Devices and Technology        | 3                  | 91 P                          | 20                    |           | 111 P        |            |           | 111   | O     | 10          |
| ET544      | Electronic Instrumentation and Automation | 3                  | 89 P                          | 17                    |           | 106 P        |            |           | 106   | A+    | 9           |
| ET550      | Communication Engineering Lab             | 1                  |                               |                       | 20 P      | 20 P         |            | 15 P      | 35    | A     | 8           |
| ET560      | Electronic Measurement Lab                | 1                  |                               |                       | 23 P      | 23 P         |            | 18 P      | 41    | A+    | 9           |
| HM009      | Ethics and Entrepreneurship               | 3                  | 86 P                          | 15                    |           | 101 P        |            |           | 101   | A+    | 9           |
| EE532      | Illumination Engineering                  | 3                  | 80 P                          | 15                    |           | 95 P         |            |           | 95    | A+    | 9           |
|            |   | <b>SGPA : 8.91</b> | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|            |   | <b>CGPA : 8.74</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | 6         | 9.11         | 9.35       | 9.54      |       |       |             |
|            |   | <b>Grade: A</b>    | <b>Remark: Very Good</b>      | <b>Earned Credits</b> | 16        | 18           | 23         | 24        |       |       |             |

**26 Seat No:** 835 **PR Number:** 201903923 **Name:** VARAD DEVIDAS KERKAR

| Paper Code | Paper Name                       | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
|------------|----------------------------------|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| ET510      | Analog and Digital Communication | 4                  | 63 P                          | 12                    | 19        | 94 P         |            |           | 94    | B+    | 7           |
| ET520      | Digital Signal Processing        | 4                  | 66 P                          | 14                    | 21        | 101 P        |            |           | 101   | A     | 8           |
| ET533      | Soft Computing                   | 3                  | 86 P                          | 20                    |           | 106 P        |            |           | 106   | A+    | 9           |
| ET543      | Digital Image Processing         | 3                  | 86 P                          | 17                    |           | 103 P        |            |           | 103   | A+    | 9           |
| ET550      | Communication Engineering Lab    | 1                  |                               |                       | 22 P      | 22 P         |            | 16 P      | 38    | A+    | 9           |
| ET560      | Electronic Measurement Lab       | 1                  |                               |                       | 24 P      | 24 P         |            | 16 P      | 40    | A+    | 9           |
| HM009      | Ethics and Entrepreneurship      | 3                  | 91 P                          | 18                    |           | 109 P        |            |           | 109   | O     | 10          |
| IT531      | Cloud Computing                  | 3                  | 79 P                          | 21                    |           | 100 P        |            |           | 100   | A+    | 9           |
|            |                                  | <b>SGPA : 8.59</b> | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|            |                                  | <b>CGPA : 8.73</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | 6         | 9.78         | 9.43       | 9.21      |       |       |             |
|            |                                  | <b>Grade: A</b>    | <b>Remark: Very Good</b>      | <b>Earned Credits</b> | 16        | 18           | 23         | 24        |       |       |             |

**27 Seat No:** 838 **PR Number:** 201903901 **Name:** VEDA DAMODAR NAGVENKAR

| Paper Code | Paper Name                       | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
|------------|----------------------------------|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| ET510      | Analog and Digital Communication | 4                  | 70 P                          | 16                    | 18        | 104 P        |            |           | 104   | A     | 8           |
| ET520      | Digital Signal Processing        | 4                  | 76 P                          | 15                    | 20        | 111 P        |            |           | 111   | A     | 8           |
| ET533      | Soft Computing                   | 3                  | 84 P                          | 22                    |           | 106 P        |            |           | 106   | A+    | 9           |
| ET543      | Digital Image Processing         | 3                  | 78 P                          | 22                    |           | 100 P        |            |           | 100   | A+    | 9           |
| ET550      | Communication Engineering Lab    | 1                  |                               |                       | 20 P      | 20 P         |            | 18 P      | 38    | A+    | 9           |
| ET560      | Electronic Measurement Lab       | 1                  |                               |                       | 21 P      | 21 P         |            | 19 P      | 40    | A+    | 9           |
| HM009      | Ethics and Entrepreneurship      | 3                  | 89 P                          | 19                    |           | 108 P        |            |           | 108   | O     | 10          |
| IT534      | Internet of Things               | 3                  | 74 P                          | 15                    |           | 89 P         |            |           | 89    | A     | 8           |
|            |                                  | <b>SGPA : 8.64</b> | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|            |                                  | <b>CGPA : 8.85</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | 7.13      | 9.33         | 9.7        | 9         |       |       |             |
|            |                                  | <b>Grade: A</b>    | <b>Remark: Very Good</b>      | <b>Earned Credits</b> | 16        | 18           | 23         | 24        |       |       |             |

**28 Seat No:** 839 **PR Number:** 202011061 **Name:** VELIP PRATIK RAMESH

| Paper Code | Paper Name                                | Paper Credits      | Theory                        | IA                    | Term Work | Theory Total | Practical  | Oral      | Total | Grade | Grade Point |
|------------|---|--------------------|-------------------------------|-----------------------|-----------|--------------|------------|-----------|-------|-------|-------------|
| ET510      | Analog and Digital Communication          | 4                  | 75 P                          | 12                    | 18        | 105 P        |            |           | 105   | A     | 8           |
| ET520      | Digital Signal Processing                 | 4                  | 67 P                          | 10                    | 20        | 97 P         |            |           | 97    | B+    | 7           |
| ET535      | Solid State Devices and Technology        | 3                  | 92 P                          | 24                    |           | 116 P        |            |           | 116   | O     | 10          |
| ET544      | Electronic Instrumentation and Automation | 3                  | 91 P                          | 20                    |           | 111 P        |            |           | 111   | O     | 10          |
| ET550      | Communication Engineering Lab             | 1                  |                               |                       | 20 P      | 20 P         |            | 16 P      | 36    | A     | 8           |
| ET560      | Electronic Measurement Lab                | 1                  |                               |                       | 24 P      | 24 P         |            | 22 P      | 46    | O     | 10          |
| HM009      | Ethics and Entrepreneurship               | 3                  | 89 P                          | 20                    |           | 109 P        |            |           | 109   | O     | 10          |
| EE534      | Electric Drives                           | 3                  | 89 P                          | 22                    |           | 111 P        |            |           | 111   | O     | 10          |
|            |   | <b>SGPA : 9</b>    | <b>Earned Credits: 22</b>     | <b>Sem</b>            | <b>I</b>  | <b>II</b>    | <b>III</b> | <b>IV</b> |       |       |             |
|            |   | <b>CGPA : 9.13</b> | <b>Entitlement Marks : --</b> | <b>SGPA</b>           | --        | --           | 9.3        | 9.08      |       |       |             |
|            |   | <b>Grade: A+</b>   | <b>Remark: Excellent</b>      | <b>Earned Credits</b> | --        | --           | 23         | 24        |       |       |             |



College Name: Government of Goa College of Engineering  
Branch Name: Electronics & Telecommunication  
Examination : Semester V January 2022

29 Seat No: 840 PR Number: 201902904 Name: VINEET VINODKUMAR AIGAL

| Paper Code  | Paper Name                       | Paper Credits          | Theory | IA             | Term Work | Theory Total | Practical | Oral | Total | Grade | Grade Point |
|-------------|----------------------------------|------------------------|--------|----------------|-----------|--------------|-----------|------|-------|-------|-------------|
| ET510       | Analog and Digital Communication | 4                      | 72 P   | 14             | 20        | 106 P        |           |      | 106   | A     | 8           |
| ET520       | Digital Signal Processing        | 4                      | 82 P   | 12             | 20        | 114 P        |           |      | 114   | A+    | 9           |
| ET533       | Soft Computing                   | 3                      | 83 P   | 19             |           | 102 P        |           |      | 102   | A+    | 9           |
| ET543       | Digital Image Processing         | 3                      | 74 P   | 19             |           | 93 P         |           |      | 93    | A     | 8           |
| ET550       | Communication Engineering Lab    | 1                      |        |                | 22 P      | 22 P         |           | 20 P | 42    | A+    | 9           |
| ET560       | Electronic Measurement Lab       | 1                      |        |                | 24 P      | 24 P         |           | 22 P | 46    | O     | 10          |
| HM009       | Ethics and Entrepreneurship      | 3                      | 86 P   | 20             |           | 106 P        |           |      | 106   | A+    | 9           |
| IT531       | Cloud Computing                  | 3                      | 79 P   | 17             |           | 96 P         |           |      | 96    | A+    | 9           |
| SGPA : 8.73 |                                  | Earned Credits: 22     |        | Sem            | I         | II           | III       | IV   |       |       |             |
| CGPA : 8.94 |                                  | Entitlement Marks : -- |        | SGPA           | 6.88      | 9.22         | 9.57      | 9.71 |       |       |             |
| Grade: A    |                                  | Remark: Very Good      |        | Earned Credits | 16        | 18           | 23        | 24   |       |       |             |

Read By:   
Checked By:

Date: 20/1/2023

Asstt. Registrar Exam(Prof)

Asstt. Registrar Exam

Controller of Examinations